

Sexually Transmitted Disease in Wisconsin 2004



Wisconsin STD Program

Technical notes

1. These reports are compiled by the Wisconsin STD Program and are based on STD case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require health care providers to report cases of chlamydia, gonorrhea, syphilis, primary genital Herpes simplex virus (HSV) infection, chancroid, and pelvic inflammatory disease to local health departments. Local health departments in turn forward reports to the DPH.
2. In this analysis the term "all STDs" refers specifically to reported cases of chlamydia, gonorrhea, syphilis, and primary genital Herpes simplex virus (HSV) infection. Unless otherwise specified, syphilis cases shown in these reports include all stages of disease.
3. These reports include cases diagnosed within the specified period. Additional cases diagnosed within the specified period may continue to be reported. Thus, this report should be considered provisional, and this report supercedes all previous reports.
4. Reporting of STDs cases is incomplete. Reporting rates may vary by disease, geographic region, and demographic groups. At any time, reported STD cases represent only part of the total number of diagnosed cases, therefore STD surveillance data likely underestimate total STD morbidity.
5. In these reports, rates presented are cases per 100,000 population. Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
6. Typically a significant number of STD cases are reported with unspecified race. When noted, imputed race-specific rates have been calculated. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates and should be used only for comparison.
7. In these reports, cases are allocated to the county of residence at the time of diagnosis. Cases diagnosed among inmates of correctional facilities are allocated to the county of the facility.

For more information contact:

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Table 1. Reported cases of sexually transmitted disease
Cases reported in Wisconsin*
Year: 2004

	<u>All STDs</u>		<u>Chlamydia</u>		<u>Gonorrhea</u>		<u>Syphilis</u>		<u>Genital HSV</u>	
	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent
Total	27866	100.0%	19662	100.0%	5163	100.0%	129	100.0%	2912	100.0%
Sex										
Male	8174	29.3%	5430	27.6%	2124	41.1%	95	73.6%	525	18.0%
Female	19655	70.5%	14215	72.3%	3026	58.6%	34	26.4%	2380	81.7%
Unknown	37	0.1%	17	0.1%	13	0.3%	0	0.0%	7	0.2%
Race										
White	8682	31.2%	6401	32.6%	913	17.7%	70	54.3%	1298	44.6%
Black	9239	33.2%	6353	32.3%	2615	50.6%	40	31.0%	231	7.9%
Am. Indian	413	1.5%	320	1.6%	61	1.2%	1	0.8%	31	1.1%
Asian/Pacific Is.	363	1.3%	304	1.5%	38	0.7%	6	4.7%	15	0.5%
Other	448	1.6%	361	1.8%	50	1.0%	11	8.5%	26	0.9%
Unknown	8721	31.3%	5923	30.1%	1486	28.8%	1	0.8%	1311	45.0%
Hispanic ethnicity										
Hispanic	1116	4.0%	914	4.6%	108	2.1%	19	14.7%	75	2.6%
Non Hispanic	16280	58.4%	11646	59.2%	3154	61.1%	107	82.9%	1373	47.1%
Unknown	10470	37.6%	7102	36.1%	1901	36.8%	3	2.3%	1464	50.3%
Age group										
0-4	22	0.1%	9	0.0%	1	0.0%	3	2.3%	9	0.3%
5-9	13	0.0%	9	0.0%	1	0.0%	0	0.0%	3	0.1%
10-14	522	1.9%	388	2.0%	123	2.4%	0	0.0%	11	0.4%
15-19	9195	33.0%	7028	35.7%	1759	34.1%	10	7.8%	398	13.7%
20-24	9915	35.6%	7502	38.2%	1601	31.0%	8	6.2%	804	27.6%
25-29	4048	14.5%	2819	14.3%	734	14.2%	15	11.6%	480	16.5%
30-34	1782	6.4%	1055	5.4%	385	7.5%	11	8.5%	331	11.4%
35-39	954	3.4%	434	2.2%	232	4.5%	16	12.4%	272	9.3%
40-44	581	2.1%	215	1.1%	160	3.1%	28	21.7%	178	6.1%
45-49	392	1.4%	116	0.6%	94	1.8%	18	14.0%	164	5.6%
50+	442	1.6%	87	0.4%	73	1.4%	20	15.5%	262	9.0%
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Region of residence										
Northeastern	3492	12.5%	2444	12.4%	462	8.9%	8	6.2%	578	19.8%
Northern	1037	3.7%	754	3.8%	83	1.6%	7	5.4%	193	6.6%
Southeastern	17174	61.6%	12043	61.3%	3707	71.8%	94	72.9%	1330	45.7%
Southern	4060	14.6%	2846	14.5%	746	14.4%	10	7.8%	458	15.7%
Western	2044	7.3%	1534	7.8%	152	2.9%	9	7.0%	349	12.0%
Unknown*	59	0.2%	41	0.2%	13	0.3%	1	0.8%	4	0.1%

* Includes 30 cases reported among residents of other states, and 29 Wisconsin cases reported without a county specified.

Table 2. Reported cases of sexually transmitted disease by year
Cases reported in Wisconsin

Year	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
1993	21,634	11,720	6,892	1,134	1,888
1994	22,604	11,838	7,806	824	2,136
1995	19,986	11,052	6,371	617	1,946
1996	17,762	10,266	4,911	505	2,080
1997	18,173	11,063	4,917	351	1,842
1998	22,422	13,841	6,319	216	2,046
1999	22,861	14,257	6,355	138	2,111
2000	24,962	15,725	6,735	181	2,321
2001	25,133	16,476	6,070	137	2,450
2002	26,759	17,441	6,499	135	2,684
2003	26,318	17,780	5,602	111	2,825
2004	27,866	19,662	5,163	129	2,912
Total	276,480	171,121	73,640	4,478	27,241

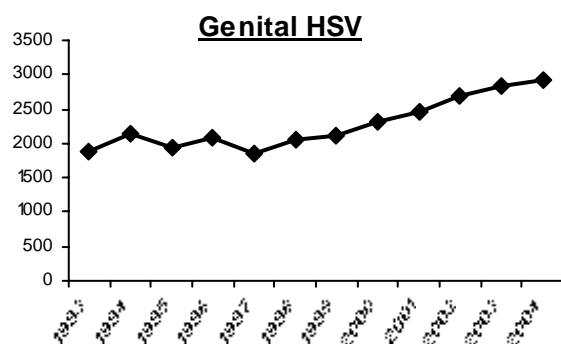
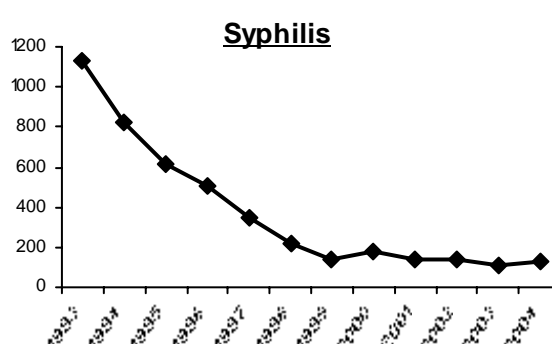
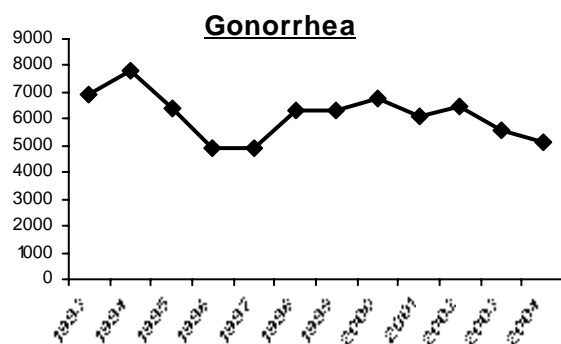
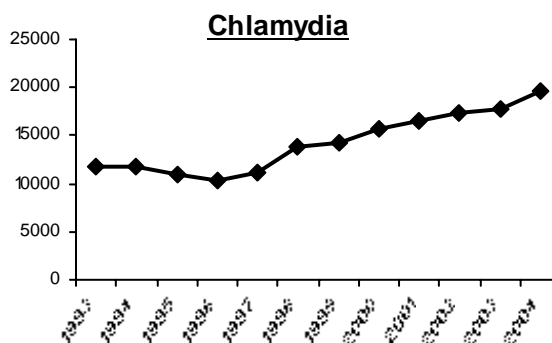
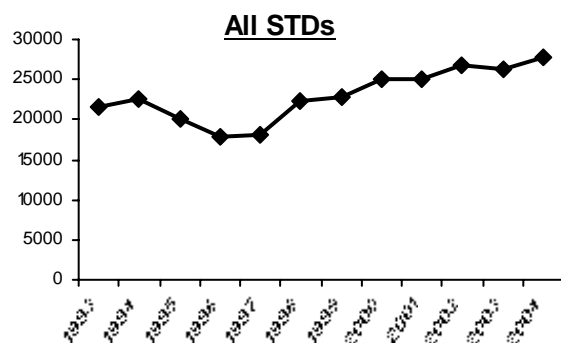


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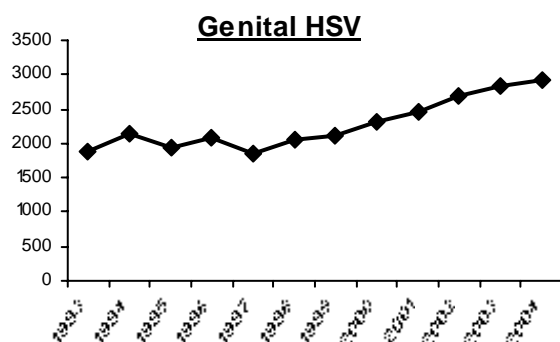
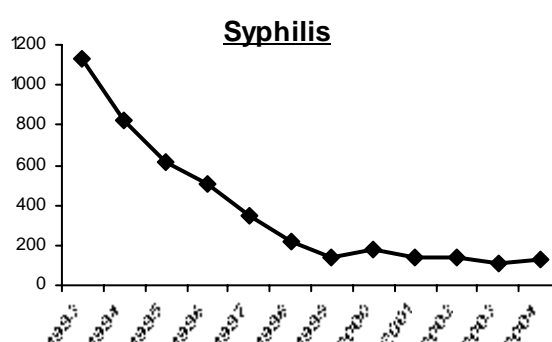
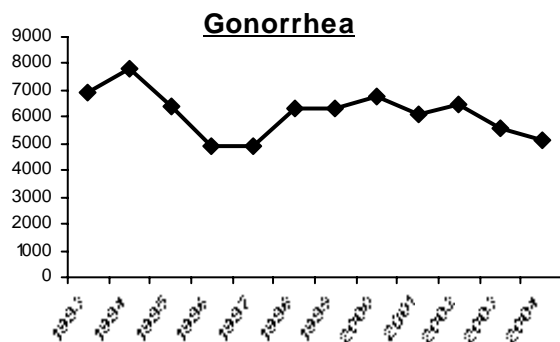
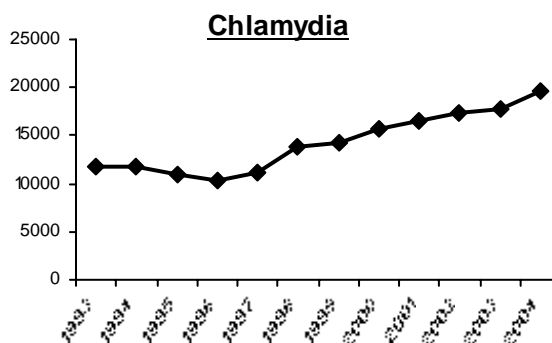
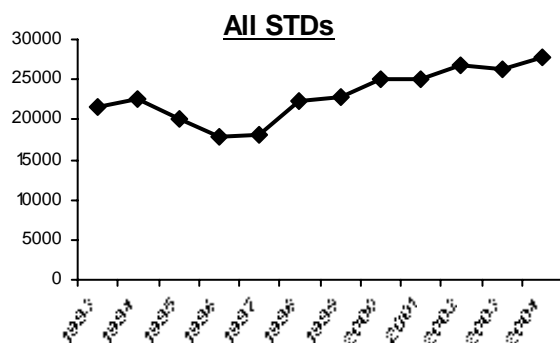


Table 3. Reported cases of sexually transmitted disease by DHFS region and county

*Cases reported in Wisconsin**

Year: 2004

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Northeastern Region	3492	12.6%	290	2444	12.5%	203	462	9.0%	38	8	6.3%	1	578	19.9%	48
Brown	1146	4.1%	480	783	4.0%	328	230	4.5%	96	1	0.8%	**	132	4.5%	55
Calumet	48	0.2%	108	39	0.2%	88	4	0.1%	**	0	0.0%	**	5	0.2%	11
Door	61	0.2%	211	44	0.2%	152	5	0.1%	17	0	0.0%	**	12	0.4%	41
Fond Du Lac	266	1.0%	268	174	0.9%	175	32	0.6%	32	0	0.0%	**	60	2.1%	60
Green Lake	41	0.1%	212	36	0.2%	186	1	0.0%	**	0	0.0%	**	4	0.1%	**
Kewaunee	22	0.1%	105	12	0.1%	58	2	0.0%	**	0	0.0%	**	8	0.3%	38
Manitowoc	142	0.5%	170	110	0.6%	132	5	0.1%	6	1	0.8%	**	26	0.9%	31
Marinette	66	0.2%	150	42	0.2%	95	5	0.1%	11	0	0.0%	**	19	0.7%	43
Marquette	22	0.1%	146	17	0.1%	113	2	0.0%	**	0	0.0%	**	3	0.1%	**
Menominee	65	0.2%	1,412	60	0.3%	1,303	1	0.0%	**	0	0.0%	**	4	0.1%	**
Oconto	64	0.2%	169	45	0.2%	119	6	0.1%	16	0	0.0%	**	13	0.4%	34
Outagamie	483	1.7%	285	342	1.7%	202	73	1.4%	43	2	1.6%	**	66	2.3%	39
Shawano	88	0.3%	210	76	0.4%	182	2	0.0%	**	0	0.0%	**	10	0.3%	24
Sheboygan	345	1.2%	299	257	1.3%	223	26	0.5%	23	4	3.1%	**	58	2.0%	50
Waupaca	83	0.3%	156	72	0.4%	136	3	0.1%	**	0	0.0%	**	8	0.3%	15
Waushara	45	0.2%	183	33	0.2%	135	1	0.0%	**	0	0.0%	**	11	0.4%	45
Winnebago	505	1.8%	313	302	1.5%	187	64	1.2%	40	0	0.0%	**	139	4.8%	86
Northern Region	1037	3.7%	210	754	3.8%	153	83	1.6%	17	7	5.5%	1	193	6.6%	39
Ashland	23	0.1%	136	16	0.1%	95	2	0.0%	**	0	0.0%	**	5	0.2%	30
Bayfield	1	0.0%	**	1	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**
Florence	2	0.0%	**	1	0.0%	**	0	0.0%	**	1	0.8%	**	0	0.0%	**
Forest	38	0.1%	375	27	0.1%	267	3	0.1%	**	0	0.0%	**	8	0.3%	79
Iron	6	0.0%	87	4	0.0%	**	0	0.0%	**	0	0.0%	**	2	0.1%	**
Langlade	40	0.1%	189	30	0.2%	142	8	0.2%	38	0	0.0%	**	2	0.1%	**
Lincoln	58	0.2%	191	45	0.2%	148	6	0.1%	20	0	0.0%	**	7	0.2%	23
Marathon	366	1.3%	282	267	1.4%	206	31	0.6%	24	3	2.3%	**	65	2.2%	50
Oneida	66	0.2%	175	42	0.2%	112	6	0.1%	16	0	0.0%	**	18	0.6%	48
Portage	183	0.7%	267	128	0.7%	187	14	0.3%	20	1	0.8%	**	40	1.4%	58
Price	17	0.1%	108	13	0.1%	82	1	0.0%	**	1	0.8%	**	2	0.1%	**

Region/County	All STDs			Chlamydia			Gonorrhea			Syphilis			Genital HSV		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Sawyer	36	0.1%	211	27	0.1%	158	3	0.1%	**	0	0.0%	**	6	0.2%	35
Taylor	5	0.0%	25	5	0.0%	25	0	0.0%	**	0	0.0%	**	0	0.0%	**
Vilas	41	0.1%	185	35	0.2%	158	2	0.0%	**	0	0.0%	**	4	0.1%	**
Wood	155	0.6%	204	113	0.6%	149	7	0.1%	9	1	0.8%	**	34	1.2%	45
Southeastern Region	17174	61.8%	839	12043	61.4%	588	3707	72.0%	181	94	73.4%	5	1330	45.7%	65
Jefferson	185	0.7%	235	148	0.8%	188	14	0.3%	18	2	1.6%	**	21	0.7%	27
Kenosha	789	2.8%	501	604	3.1%	384	116	2.3%	74	2	1.6%	**	67	2.3%	43
Milwaukee	13830	49.7%	1,479	9642	49.1%	1,031	3299	64.1%	353	77	60.2%	8	812	27.9%	87
Ozaukee	96	0.3%	112	53	0.3%	62	13	0.3%	15	1	0.8%	**	29	1.0%	34
Racine	1229	4.4%	637	917	4.7%	475	193	3.7%	100	5	3.9%	3	114	3.9%	59
Walworth	203	0.7%	207	151	0.8%	154	13	0.3%	13	0	0.0%	**	39	1.3%	40
Washington	200	0.7%	161	131	0.7%	105	15	0.3%	12	2	1.6%	**	52	1.8%	42
Waukesha	642	2.3%	171	397	2.0%	106	44	0.9%	12	5	3.9%	1	196	6.7%	52
Southern Region	4060	14.6%	388	2846	14.5%	272	746	14.5%	71	10	7.8%	1	458	15.7%	44
Adams	25	0.1%	121	20	0.1%	97	0	0.0%	**	0	0.0%	**	5	0.2%	24
Columbia	143	0.5%	260	112	0.6%	204	15	0.3%	27	0	0.0%	**	16	0.6%	29
Crawford	39	0.1%	225	33	0.2%	190	0	0.0%	**	1	0.8%	**	5	0.2%	29
Dane	2194	7.9%	484	1447	7.4%	319	534	10.4%	118	5	3.9%	1	208	7.2%	46
Dodge	444	1.6%	502	374	1.9%	423	28	0.5%	32	0	0.0%	**	42	1.4%	47
Grant	94	0.3%	187	73	0.4%	145	4	0.1%	**	0	0.0%	**	17	0.6%	34
Green	55	0.2%	156	31	0.2%	88	11	0.2%	31	0	0.0%	**	13	0.4%	37
Iowa	39	0.1%	165	26	0.1%	110	6	0.1%	25	0	0.0%	**	7	0.2%	30
Juneau	67	0.2%	262	60	0.3%	235	3	0.1%	**	0	0.0%	**	4	0.1%	**
Lafayette	12	0.0%	74	11	0.1%	67	1	0.0%	**	0	0.0%	**	0	0.0%	**
Richland	21	0.1%	115	17	0.1%	93	0	0.0%	**	0	0.0%	**	4	0.1%	**
Rock	744	2.7%	476	518	2.6%	332	126	2.4%	81	4	3.1%	**	96	3.3%	61
Sauk	128	0.5%	219	87	0.4%	149	13	0.3%	22	0	0.0%	**	28	1.0%	48
Vernon	55	0.2%	190	37	0.2%	128	5	0.1%	17	0	0.0%	**	13	0.4%	45
Western Region	2044	7.4%	273	1534	7.8%	205	152	3.0%	20	9	7.0%	1	349	12.0%	47
Barron	105	0.4%	226	80	0.4%	172	2	0.0%	**	0	0.0%	**	23	0.8%	50
Buffalo	22	0.1%	157	21	0.1%	150	0	0.0%	**	0	0.0%	**	1	0.0%	**
Burnett	20	0.1%	121	18	0.1%	109	1	0.0%	**	0	0.0%	**	1	0.0%	**
Chippewa	130	0.5%	217	96	0.5%	160	9	0.2%	15	0	0.0%	**	25	0.9%	42
Clark	37	0.1%	108	34	0.2%	99	0	0.0%	**	0	0.0%	**	3	0.1%	**
Douglas	97	0.3%	221	75	0.4%	171	11	0.2%	25	0	0.0%	**	11	0.4%	25

Wisconsin STD Program data

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Dunn	130	0.5%	311	104	0.5%	249	1	0.0%	**	0	0.0%	**	25	0.9%	60
Eau Claire	457	1.6%	478	339	1.7%	354	28	0.5%	29	0	0.0%	**	90	3.1%	94
Jackson	53	0.2%	269	31	0.2%	157	5	0.1%	25	0	0.0%	**	17	0.6%	86
La Crosse	550	2.0%	502	398	2.0%	363	64	1.2%	58	5	3.9%	5	83	2.9%	76
Monroe	103	0.4%	241	75	0.4%	176	9	0.2%	21	2	1.6%	**	17	0.6%	40
Pepin	11	0.0%	146	7	0.0%	93	1	0.0%	**	0	0.0%	**	3	0.1%	**
Pierce	62	0.2%	160	53	0.3%	137	4	0.1%	**	0	0.0%	**	5	0.2%	13
Polk	82	0.3%	186	64	0.3%	145	6	0.1%	14	0	0.0%	**	12	0.4%	27
Rusk	19	0.1%	123	15	0.1%	97	1	0.0%	**	0	0.0%	**	3	0.1%	**
St Croix	80	0.3%	108	57	0.3%	77	6	0.1%	8	1	0.8%	**	16	0.6%	22
Trempealeau	69	0.2%	249	55	0.3%	198	4	0.1%	**	1	0.8%	**	9	0.3%	32
Washburn	17	0.1%	101	12	0.1%	72	0	0.0%	**	0	0.0%	**	5	0.2%	30
Total	27807	100.0%	502	19621	100.0%	354	5150	100.0%	93	128	100.0%	2	2908	100.0%	53

* Excludes 30 cases reported among residents of other states, and 29 Wisconsin cases reported without a county specified.

** Cases per 100,000 population. Rate not calculated for categories with less than 5 cases.

Table 4. Reported cases of sexually transmitted disease by age and disease
Cases reported in Wisconsin
Year: 2004

All STDs			Chlamydia			Gonorrhea		
Age	Cases	Rate*	Age	Cases	Rate*	Age	Cases	Rate*
0-4	22	6	0-4	9	2	0-4	1	**
5-9	13	3	5-9	9	2	5-9	1	**
10-14	522	134	10-14	388	100	10-14	123	31
15-19	9,195	2247	15-19	7,028	1717	15-19	1,759	429
20-24	9,915	2413	20-24	7,502	1825	20-24	1,601	389
25-29	4,048	1153	25-29	2,819	803	25-29	734	209
30-34	1,782	511	30-34	1,055	302	30-34	385	110
35-39	954	244	35-39	434	111	35-39	232	59
40-44	581	128	40-44	215	47	40-44	160	35
45-49	392	88	45-49	116	26	45-49	94	21
50+	442	26	50+	87	5	50+	73	4
Total	27,866	503	Total	19,662	354	Total	5,163	93

Syphilis			Genital HSV		
Age	Cases	Rate*	Age	Cases	Rate*
0-4	3	**	0-4	9	2
5-9	0	**	5-9	3	**
10-14	0	**	10-14	11	2
15-19	10	2	15-19	398	97
20-24	8	1	20-24	804	195
25-29	15	4	25-29	480	136
30-34	11	3	30-34	331	95
35-39	16	4	35-39	272	69
40-44	28	6	40-44	178	39
45-49	18	4	45-49	164	37
50+	20	1	50+	262	15
Total	129	2	Total	2,912	52

* Cases per 100,00 population

** Rate not calculated for categories with less than 5 cases.

Table 5. Reported sexually transmitted disease, reported rates* and imputed rates by race**
Cases reported in Wisconsin

Year: 2004

	Cases per 100,000 population***				
	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed
White	172 - 231	127 - 163	18 - 22	1 - 1	25 - 43
Black	2677 - 4191	1841 - 2910	757 - 1102	11 - 11	66 - 166
Am. Indian	732 - 938	567 - 717	108 - 133	** - **	54 - 85
Asian/Pacific Is.	317 - 429	266 - 356	33 - 44	5 - 5	13 - 23

* The reported rate is the number reported cases with specified race per 100,000 population. Because some cases are reported with unspecified race, the reported rate under-estimates actual morbidity and thus should be regarded as a minimum estimate.

** The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates.

*** Rate not calculated for categories with less than 5 cases.